

hf Happenings 741

South African Radio League * Suid-Afrikaanse Radioliga
Member Society of the International Amateur Radio Union since 1925

Volume 15, Issue 08, the week of 13 February 2017



Dassie Island *
(ZS Islands Award Programme FS-?)

Mount Paul, SOTA ZS/FS-012
and the second steepest mountain
pass in SA

Sterkfontein Dam
(only the wet parts!)

* Dassie or rock hyrax (*Procavia capensis*). Called a 'Nembila' in Xhosa, a 'Pimbi' in Swahili, 'Wabr' or 'Tabsoun' in Arabic, a 'Shafan Sela' in Hebrew and a 'n'eer' in the Bafut region of Cameroun.

South African Radio League National Field Day

Did you enjoy the Field Day Weekend? Propagation conditions were not favourable! As of today (16 February), the following log sheets have arrived at zs4bfn@mweb.co.za.

The Centurion ARC, ZS6CEN; The Sandringham Scout Group ARC, ZS6SSG; Eddie Leighton, ZS6BNE; The Jeugland Radio Club, ZR6JRC; Hugo Ras, ZS2HR; The Highway ARC, ZS5HAM with a double bazooka; Dennis Green, ZS4BS; Johann van Zijl, ZS4DZ; Roy Walsh, ZS3RW; Pieter Jacobs, ZS6XT; Bruce Dunn, ZS5XT; Nic van Duffelen, ZR6AEZ; Kurt Linsin, ZS5KL, Geoff Lotz, ZR6XZ/1 (with a YouTube video), the Welkom Radio Club, ZS4WRC; Gerit de Vente, ZS6DV; Stephan van Jaarsveld, ZS6SVJ, the Eastern Cape Hammies, ZS2ZU, and the Sandton ARC, ZS6STN.

Still missing is the West Rand ARC, ZS6WR, the East Rand Branch, ZS6ERB, Noord Natal ARC, ZS5NAK, the Hibiscus Coast ARC, ZS5HAC, the Sasolburg ARC, ZS6SRK, the Pretoria ARC, ZS6PTA. And a few more. Closing date is midnight CAT on Sunday 19 February 2017.

SOTA Summit to Summit VK-EU event

Mike, 2E0YYY, Andrew, VK1AD and Ed, DD5LP, are planning another long path propagation SOTA Summit to Summit event for Saturday 11 March 2017 starting at 06:30 UTC. Activity will be SSB or CW on 20 metres and going by the last action in October 2016, over 30 summits are expected to be active concurrently over Europe, Australia, New Zealand and possibly Japan. Visit reflector.sota.org.uk for all the details.



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You can now download your copy of HF Happenings from
www.sarl.org.za/hf_happenings.asp

February

- 5 - **AWA CW Activity**
- 10 to 12 - Love Rosendal Festival
- 11 and 12 - **SARL National Field Day**; Midmar Mile; Magoebaskloof Berry festival
- 14 - Valentine's Day
- 18 - **SARL Youth Sprint; AMSAT SA SDR Workshop at the NARC**
- 22 - **Closing date articles for March Radio ZS**
- 24 and 25 - Clarens Craft Beer Festival
- 25 - **West Rand ARC Flea Market**
- 26 - **SARL Digital Contest**
- 24 to 26 - Stellenbosch Wine Festival
- 27 - National Milk Tart Day

March

- 3 - World Day of Prayer for Women
- 4 - World day of Prayer for Men
- CTARC Bumper Flea market**
- 5 - **SARL Hamnet 40 m Contest**
- 8 to 14 - Scifest Africa, Grahamstown
- 11 and 12 - **SARL VHF/UHF Contest**; RSGB Commonwealth Con-

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HamAlert

Created by Manuel Kasper, HB9DQM, HamAlert "is a system that allows you to get notifications when a desired station appears on the Reverse Beacon Network, SO-TAwatch or the DX cluster". You can receive alerts via e-mail, Push notification, SMS or URL GET/POST; spots can be filtered and the number of alerts can be limited. See <https://hamalert.org/about> for complete information.

Lighthouse Weekend

The ninth South American Lighthouses Weekend will be held between 17 and 19 February. Details, including a listing of participating stations, can be found at <http://www.grupodxb.com.ar/>.

QSL 5A1AL and 5A1A

Abubaker (5A1AL) has announced that "the QSL process for both call signs 5A1AL and 5A1A will be taken over by myself starting from 11 February 2017". Abubaker is going to upload his log to Club Log and enable the OQRS. W5UE will forward to Abubaker all direct QSL requests received after 10 February.

Indian Ocean Trip

Chris, VK3FY, Lee, VK3GK, Tony, VK3TZ, and Dindo, DU1UD, will be active as VK9XI from Christmas Island (OC-002) between 2 and 10 October (Oceania DX SSB Contest included) and as VK9CI from the Cocos (Keeling) Islands (OC-003) between 10 and 17 October (Oceania DX CW Contest included). They will operate SSB, CW and RTTY on 160 to 10 metres, with 2 stations and a focus on the lower bands. There may be some 6 m activity as well. QSL via M0OXO's OQRS at www.m0oxo.com/oqrs/.

African DX

Tunisia, 3V. Ashraf "Ash", 3V4-002 (KF5EYY), will once again be active as 3V8SS from the "Radio Club Station of Tunisian Scouts" in Sousse, during the ARRL International DX CW Contest (18 and 19 February) as a Single-Op/All-Band/Low-Power entry. QSL via LoTW or to LX1NO. Read about Ashraf on <http://www.kf5eyv.info>

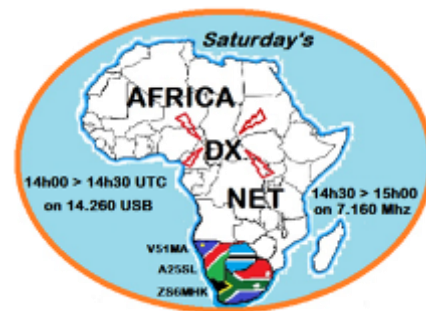
Rwanda, 9X. Eric, SM1TDE, will be active as 9X2CW from Rwanda between 17 and 22 February. Activity will be on 40 to 10 metres using CW only. QSL via his home call sign. Look for logs to be posted on ClubLog and possibly later on LoTW.

Uganda, 5X. Eric, SM1TDE, will once again be active as 5X8EW from Entebbe between 23 and 26 February, after his Rwanda trip (see 9X2CW above). Activity will be on 40 to 10 metres using CW. QSL via his home call sign.

Uganda, 5X. Jonathan, KK7PW will be active as 5X1O from Uganda from 21 February to 7 March. He will operate CW, SSB, WSPR and possibly JT65 on 40, 20, 15 and 10 metres, typically during the local early mornings and late evenings. QSL via EA5GL.

Niger, 5U. Members of the Tifariti Gang/DX Friends will be active as 5U5R in a multinational DXpedition between 9 and 21 March. Operators mentioned are Toni, EA5RM (Team Leader), Alberto, EA1SA, Roberto, EA2RY, Javier, EA5KM, Manuel, EA7AJR, Jose-Ramón, EA7KW, Bernard, F9IE, Faber, HK6F, Simone, IK5RUN, Fabrizio, IN3ZNR and David, K3LP. Pilot stations are Tony, F8ATS (Chief Pilot) and Rick, W6ENZ (NA Pilot). Activity will be on 160 to 10 metres including 30, 17 and 12 m using CW, SSB and RTTY, with at least four stations on the air at the same time. PLEASE NOTE: 6 metres is not allowed in Niger for Amateur Radio.

QSL via EA5RM or the OQRS on their Web page (after the DXpedition goes QRT). QSLs for donors -- If you have donated 25 euros, 30 USDs or more, send your QSO data by e-mail to their QSL Manager ea5rm@arrrl.net and include your address, they will send your 5U5R QSL direct. For more details and updates, see <http://www.dxfriends.com/5u5r/index.php>



test

12 - Purim; Cape Town Cycle Tour
16 to 20 - Wild Trout Festival, Rhodes
17 - St Patrick's Day
17 to 19 - Lambert's Bay Kreeffees
20 - Autumn Equinox; School holiday
21 - Human Right's Day
25 and 26 - CQ WPX SSB Contest
27 - Closing date Radio ZS April
31 March to 9 April - Stars of Sandstone, Ficksburg
31 - All schools close

In HF Happenings last week, I posted Quote of the Week - "TIP: Don't leave your antennas assembled in the hotel room. It scares housekeeping." (Ken, K2WB/7/R, from February 2017 Mt. Airy VHF Radio Club's *Cheese Bits* newsletter)

My good friend, Tom Victor, LA4LN, says in Norway, they have a saying "If your antenna doesn't fall down, it isn't big enough!"

"Mysterious Foghorn" is Chinese Over-the-Horizon Burst Radar

The International Amateur Radio Union Region 1 Monitoring System newsletter reports a mysterious "foghorn" - a Chinese over-the-horizon (OTH) burst radar - is operating in Amateur Radio bands <http://www.iarums-r1.org/iarums/news2017/news1701.pdf>

"We observed the mysterious foghorn on 7, 10, and 14 MHz," the newsletter recounted. "This is a Chinese OTH radar, which is often jumping and sounding like a foghorn." The signal is frequency modulation on pulse (FMOP) with 66,66 sweeps-per-second bursts.

Other intruders include a Russian frequency shift keying (FSK) signal from Kaliningrad on 7,193 kHz and a Russian FSK signal on 7,193 kHz (50 baud, 200 Hz shift). German telecommunications authorities have filed another complaint.

The latest IARUMS newsletter also

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Botswana, A2. A UK Team will be active as A25UK from Botswana between 25 April and 6 May. Activity will be on 160-6 meters using CW, SSB, RTTY and PSK. Some of the operators named are Nobby, G0VJG, Nick, G4FAL, Giles, M0TGV, Tony, G4LDL and Edd, G0WED. QSL via M0OXO or via ClubLog's OQRS. Look for more details to be forthcoming. Also, visit their new Web page at <http://www.a25uk.com>

African Islands

IOTA frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

St Brandon, 3B7. A few sources are reporting that Seb, F5UFX, Team Leader of FT4TA (Tromelin) and FT4JA (Juan de Nova), is stating that their new project is to be active from Saint Brandon Island in October 2017 for a two week operation. Look for more details to be forthcoming.

Guinea 3XY, (IOTA Op). Operators Alain, F5OZC and Sebastien, F8DQZ are now active as 3XY3D from Kassa Island in the Los Islands Group (Iles de Los) [AF-051] until 26 February. Activity will be on 40 to 10 metres using mainly CW with some SSB. QSL via F5OZC.

Canary Islands, EA8. Manolo, EA8DO, will be active from La Palma Island (IOTA AF-0040) during the ARRL International DX SSB Contest (4 and 5 March). QSL via LoTW. Javier, EA1FDI, will be active as ED8W from La Palma Island (AF-004) during the ARRL International DX SSB Contest. QSL via LoTW.

Maderia, CT9. Once again Rosel, DL3KWR, and Hardy, DL3KWF will be active as CT9/DL3KWR and CT9/DL3KWF from Madeira (AF-014) from 9 March to 5 April. They plan to operate mostly CW with a focus on 12, 17 and 30 metres. Look for them daily after 16:00 UTC. Also, they have got the permission to use 60 m and will be active there late in their evenings. QSL via home calls (bureau preferred), LoTW and eQSL. E-mail requests for bureau cards can be sent to dl3kwr@darc.de or dl3kwf@darc.de respectively.

Cape Verde, D4. Girts, YL2KL will be active as D4Z from the Monteverde Contest Club's station (<http://d4c.cc/>) on Sao Vicente Island (AF-086), Cape Verde between 13 and 20 February. He will participate in the ARRL DX CW Contest as D4C. QSL both call signs via LoTW and eQSL, via bureau to IK2NCJ or direct to Monteverde Contest Club, 6963 Pregassona, Switzerland.

Alaska's HAARP Facility Once Again Open for Business

The High Frequency Active Auroral Research Program (HAARP) in Gakona, Alaska, will soon undertake its first scientific research campaigns since the facility was taken over by the University of Alaska Fairbanks (UAF) Geophysical Institute 18 months ago. Among the investigators is UAF Researcher Chris Fallen, KL3WX, who will be working under a National Science Foundation grant, "RAPID: Spatiotemporal Evolution of Radio-Induced Aurora." Fallen says the HAARP transmissions will take place within the facility's transmitter tuning range of 2.7 to 10 MHz and should be audible outside of Alaska, and may even produce visible effects within the state.



Part of the vast HAARP antenna array with the control centre in the background, set against the majesty of the Alaska landscape.

"This time my experiments will largely focus on artificial radio-induced airglow that potentially can be photographed from nearly anywhere in Alaska - weather permitting," Fallen told ARRL. "I plan to start and stop each experiment block with an audio Luxembourg-style broadcast - transmitting two amplitude-modulated carrier waves at different frequencies separated by about 1 MHz, with the resulting skywave signal being a mix of both frequencies."

Fallen said that he has prior success reproducing the "Luxembourg effect" using two DTMF tones. "But this time, I have a short, simple musical composition

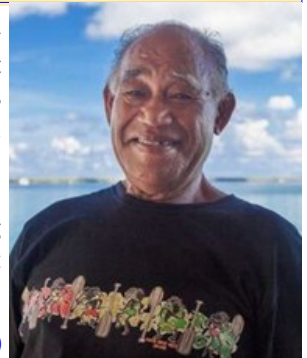
reports strong splatter from Radio France International (RFI) on 7,205 kHz down to 7,186 kHz. The French REF has informed RFI and French telecommunications authorities.

Intruders still reported, and the subjects of complaints from German authorities include Radio Hargeysa in Somaliland on 7,120.0 kHz; Radio Eritrea with Ethiopian interference on 7,175.0 kHz; Radio Taiwan and a Chinese jammer on 7,200.0 kHz, and a Radio Tajik harmonic (from 4765 kHz) on 14,295.0 kHz.

Washington Club Gets North Cook Islands Ham Back on the Air after Lengthy Absence

Thanks to the generosity of members of the ARRL-affiliated Western Washington DX Club (WWDXC) Pia "Papa Pia" Taraeka, E51PT, of Manihiki, North Cook Islands, is back on the air after a more than 3-decade absence.

"My interest in Amateur Radio started around 1962 as a radio operator working for the Cook Island and New Zealand governments," Papa Pia recounted on his QRZ.com profile. "My primary job was relaying radio morse code traffic destined for the Cook Islands and other places, including New Zealand, Samoa, Tahiti and Niue." Bob Nielsen, N7XY, donated the bulk of the radio gear, while Bengt-Erik Norum, K7ADD/E51AMF, helped to set up Papa Pia's station (and help another North Cook Islands amateur, too). Papa Pia is on CW and SSB, 80 to 10 metres, running 100 W to an all-band dipole. Thanks to The Daily DX



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Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 13 to 20 February 2017

CQC Winter QSO Party

01:00 - 02:59 UTC 13 February

Mode: CW

Bands: 80, 40, 20 m

Classes: (none)

Max power: 5 watts

Exchange: RST and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO; Bonus: 5 points per QSO with W0CQC or N0CQC

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 15 March 2017

E-mail logs to: ykumagai@q.com

Mail logs to: (none)

Find rules at: <http://www.coloradoqrpcclub.org/contests/winter.htm>

ARRL School Club Roundup

13:00 UTC 13 February to 23:59 UTC 17 February

Mode: CW, Phone, RTTY/Digital

Bands: All, except 60, 30, 17, 12 m

Classes: Single Op (I); Club/Multi-Op (C) School Club/Group (S)

Max operating hours: 24 hours total; 6 hours out of any 24-hour period with off times of at least 30 minutes

Exchange: RS(T) and Class (I/C/S) and state, province or country

Work stations: Once per mode

QSO Points: 1 point per phone QSO; 2 points per CW/RTTY/digital QSO

Multipliers: States and VE provinces and DXCC countries and (2 x class C QSOs) and (5 x class S QSOs)

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 4 March 2017

Post log summary at: <http://www.b4h.net/arrlscr/>

Mail logs to: School Club Roundup, c/o LIMARC, PO Box 392, Levittown, NY 11756, USA

Find rules at: <http://www.arrl.org/school-club-roundup>

PODXS 070 Club Valentine Sprint

00:00 - 23:59 UTC 14 February

Mode: PSK31

Bands: 160, 80, 40 m

Classes: OM - QRP or LP YL - QRP or LP

Max operating hours: 6

Max power: LP: 50 watts; QRP: 5 watts

Exchange: Name, OM or YL and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO with OM; 2 points per QSO with YL

Multipliers: Each state, province and DXCC country once only

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 28 February 2017

E-mail logs to: (none)

Upload log at: <http://hamclubs.info/scorer/>

Mail logs to: (none)

Find rules at: <http://www.podxs070.com/o70o-club-sponsored-contests/valentine-sprint>

QRP Fox Hunt

02:00 - 03:30 UTC 15 February

Mode: CW

Bands: 40 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 03:30 UTC 16 February 2017

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at: http://www.qrpfoxhunt.org/winter_rules.htm

Phone Fray

02:30 - 03:00 UTC 15 February

Mode: SSB

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: NA: Name and state, province or country; non-NA: Name

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 03:00 UTC 17 February 2017

E-mail logs to: (none)

Post log summary at: <http://www.3830scores.com>

Mail logs to: (none)

Find rules at: http://www.perluma.com/Phone_Fray_Contest_Rules.pdf

CWops Mini-CWT Test

13:00 - 14:00 UTC and 19:00 - 20:00 UTC 15 February and

03:00 - 04:00 UTC 16 February

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: Member: Name and member no; non-Member: Name and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each call once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 04:00 UTC February 18, 2017

Post log summary at: <http://www.3830scores.com>

Mail logs to: (none)

Find rules at: <http://www.cwops.org/cwt.html>

AGCW Semi-Automatic Key Evening

19:00 - 20:30 UTC 15 February

Mode: CW

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Bands: 80 m Only

Classes: (none)

Exchange: RST, serial no, "/" and 2-digit year first used a bug

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 15 March 2017

E-mail logs to: semiautomatic@agcw.de

Mail logs to: Manager: Ulf-Dietmar Ernst, DK9KR, Elbstrasse 60, D-28199 Bremen, Germany

Find rules at: <http://www.agcw.org/index.php/en/contests-and-cw-activities/semi-automatic-key-evening>

RSGB 80 m Club Championship, Data

20:00 - 21:30 UTC 15 February

Mode: RTTY, PSK

Bands: 80 m Only

Classes: (none)

Exchange: RST and serial no

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: (see rules)

Submit logs by: 23:59 UTC 16 February 2017

Upload log at: <http://www.rsgbcc.org/cgi-bin/hfenter.pl>

Mail logs to: (none)

Find rules at: <http://www.rsgbcc.org/hf/rules/2017/r80mcc.shtml>

NCCC RTTY Sprint

01:45 - 02:15 UTC 17 February

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 19 February 2017

E-mail logs to: (none)

Post log summary at: <http://www.3830scores.com/>

Mail logs to: (none)

Find rules at: <http://www.ncccsprint.com/rttyns.html>

QRP Fox Hunt

02:00 - 03:30 UTC 17 February

Mode: CW

Bands: 80 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 03:30 UTC 18 February 2017

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at: http://www.qrpfoxhunt.org/winter_rules.htm

NCCC Sprint Ladder

02:30 - 03:00 UTC 17 February

Mode: CW

Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: Single Op

Max power: 100 watts

Exchange: Serial no, name and QTH

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KL7 and KH6) once per band; Each VE province once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 19 February 2017

E-mail logs to: (none)

Post log summary at: <http://www.3830scores.com>

Mail logs to: (none)

Find rules at: <http://www.ncccsprint.com/rules.html>

ARRL International DX CW Contest

00:00 UTC 18 February to 24:00 UTC 19 February

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op All Band - QRP, low or high; Single Op Single Band; Single Op Unlimited - low or high; Multi-Single - low or high; Multi-Two; Multi-Multi

Max power: HP: 1 500 watts; LP: 150 watts; QRP: 5 watts

Exchange: W/VE: RST and state or province; non-W/VE: RST and power

Work stations: Once per band

QSO Points: 3 points per QSO

Multipliers: W/VE: Each DXCC country once per band; Non-W/VE: Each state, District of Columbia, VE province/territory once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23:59 UTC 21 March 2017

E-mail logs to: DXCW@arrl.org

Upload log at: <http://contest-log-submission.arrl.org>

Mail logs to: ARRL Intl DX Contest, CW, ARRL, 225 Main St., Newington, CT 06111, USA

Find rules at: <http://www.arrl.org/arrl-dx>

Novice Rig Roundup

00:00 UTC 18 February to 24:00 UTC 26 February

Mode: CW

Bands: 80, 40, 15, 10, 2 m

Classes: General, Novice, QRP

Max power: General: >60 watts; Novice: 60 watts; QRP: 5 watts

Exchange: RST, name, QTH, rig, Xtal or VFO and power

Work stations: Once per band

QSO Points: (see rules)

Bonus Points: (see rules)

Multipliers: Each state, province and country

Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: 31 March 2017

E-mail logs to: (none)

Upload log at: <http://NoviceRigRoundup.com/logs.htm>

Mail logs to: Brian Carling, AF4K, 117 Sterling Pine Street, Sanford, FL 32773, USA

Find rules at: <http://novicerigroundup.com/>

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SARL Youth Day Sprint

08:00 – 10:00 UTC 18 February

Mode: SSB

Bands: 40 m Only

Classes: (none)

Exchange: RS and age

QSO Points: 5 points per QSO between operators 25 or younger; 2 points per QSO between 25 or younger operator and a 26 or older operator; 1 point per QSO between operators 26 or older

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 25 February 2017

E-mail logs to: contest@sarl.org.za

Mail logs to: (none)

Find rules at: <http://www.sarl.org.za/Web3/Members/DoDocDownload.aspx?X=20161222085537waqSLiCvBT.PDF>

Russian PSK WW Contest

1200Z 18 February to 1159Z 19 February

Mode: BPSK31, BPSK63, BPSK125

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op All Band; Single Op Single Band; Multi-Op All Band

Max power: 100 watts

Exchange: RU: RST and 2-letter oblast; non-RU: RST and serial no

QSO Points: 1 point per QSO with same country on 20, 15 and 10 m; 3 points per QSO with different country same continent on 20, 15 and 10 m; 5 points per QSO with different continent on 20, 15 and 10 m; 2 point per QSO with same country on 160, 80 and 40 m; 6 points per QSO with different country same continent on 160, 80 and 40 m; 10 points per QSO with different continent on 160, 80 and 40 m
Multipliers: Each country once per band; Each oblast once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23:59 UTC 24 February 2017

E-mail logs to: rusww@rdrclub.ru

Upload log at: http://ua9qcq.com/en/submit_log.php?lang=en

Mail logs to: (none)

Next Week's Contests

Novice Rig Roundup, 00:00 UTC 18 February to 24:00 UTC 26 February

SKCC Sprint, 00:00 - 02:00 UTC 22 February

NAQCC CW Sprint, 01:30 - 03:30 UTC 22 February

QRP Fox Hunt, 02:00 - 03:30 UTC 22 February

Phone Fray, 02:30 - 03:00 UTC 22 February

CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 22 February and 03:00 - 04:00 UTC 23 February

UKEICC 80 m Contest, 20:00 - 21:00 UTC 22 February

RSGB 80 m Club Championship, CW, 20:00 - 21:30 UTC 23 February

NCCC RTTY Sprint, 01:45 - 02:15 UTC 24 February

QRP Fox Hunt, 02:00 - 03:30 UTC 24 February

NCCC Sprint Ladder, 02:30 - 03:00 UTC 24 February

CQ 160-Meter Contest, SSB, 22:00 UTC 24 February to 22:00 UTC 26 February

Find rules at: <http://www.rdrclub.ru/russian-ww-psk-contest/49-rus-ww-psk-rules>

Feld Hell Sprint

19:00 – 20:59 UTC 18 February

Mode: Feld Hell

Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: (none)

Max power: Standard: 100 watts; QRP: 5 watts

Exchange: (see rules)

Work stations: Once per band

QSO Points: (see rules)

Bonus Points: (see rules)

Multipliers: (see rules)

Score Calculation: (see rules)

Submit logs by: 22 February 2017

Upload log at: <https://sites.google.com/site/feldhellclub/>

Mail logs to: (none)

Find rules at: <https://sites.google.com/site/feldhellclub/Home/contests/sprints/bingo-sprint>

Run for the Bacon QRP Contest

02:00 - 04:00 UTC 20 February

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Band; All Band

Max power: 5 watts

Exchange: RST, state, province or country and member no or power

Work stations: Once per band

QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on same continent; 5 points per QSO with member on different continent

Multipliers: Each state, province or country once; Multiply mults by 2 if >50 members worked

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 26 February 2017

E-mail logs to: (none)

Upload log at: <http://qrpcontest.com/pigrun/autolog.php>

Mail logs to: (none)

Find rules at: <http://qrpcontest.com/pigrun/>

REF Contest, SSB, 06:00 UTC 25 February to 18:00 UTC 26 February

UBA DX Contest, CW, 13:00 UTC 25 February to 13:00 UTC 26 February

South Carolina QSO Party, 15:00 UTC 25 February to 01:59 UTC 26 February

North American QSO Party, RTTY, 18:00 UTC 25 February to 05:59 UTC 26 February

High Speed Club CW Contest, 09:00 - 11:00 UTC and 15:00 - 17:00 UTC 26 February

SARL Digital Contest, 13:00 - 16:00 UTC 26 February

North Carolina QSO Party, 15:00 UTC 26 February to 00:59 UTC 27 February

(Continued from page 3)

recorded by a local musician," he said. "It was composed specifically to take advantage of the Luxembourg effect."

According to UAF, Fallen, an assistant research professor in space physics, will create an "artificial aurora" that can be photographed with a sensitive camera within Alaska. The phenomenon has been created in the past above HAARP during certain types of transmissions.

Just which HF frequencies Fallen will use won't be determined until shortly before he begins his research. "The specific frequency chosen during a particular experiment depends on the experiment's objectives, FCC regulations, and ionospheric conditions at the time," Fallen explained. He will use ionosonde data to guide frequency selection.

In his explanatory Gakona HAARPoon 2017 blog, Fallen explains that HAARP scientists use the ionosonde to estimate two important parameters: (1) the amount of low-level ionosphere D-region HF radio absorption that frequently occurs due to natural, but not well understood, processes that prevent HAARP radio wave energy from reaching the higher ionosphere E and F regions; and, (2) the ionosphere vertical "critical frequency" [sometimes referred to as f_oF_2], above which any radio transmissions pass through the ionosphere into space rather than being reflected or absorbed." Fallen said experiment times and frequencies for his airglow and Luxembourg experiments will be updated on his blog and on his Twitter account linked in the blog. He encourages radio amateurs and SWLs to record the events they hear and post reports to social media or e-mail him ctfallen@alaska.edu.

Built and operated by the US Air Force until August 2015,



UAF Assistant Professor Chris Fallen, KL3WX. [Photo courtesy of UAF]

HAARP includes a 40-acre grid of antennas and a very high-power array of HF transmitters to conduct ionospheric research. Later this month, scientists will use HAARP to conduct other experiments that will include a study of atmospheric effects on satellite-to-ground communications and over-the-horizon radar experiments.

Research funding agencies also include the US Department of Energy's Los Alamos National Lab and the Naval Research Laboratory. HAARP also has a Facebook page <https://www.facebook.com/UAFHAARP/>.

In which time zone are we?

There is discussion about the use of South African Standard Time or SAST, Central African Time or CAT or local time in the weekly bulletin. South Africa is in the time zone of UTC plus two, also referred to as Bravo time by the military, SAST, CAT or Eastern Europe Time (EET).

Burundi, Botswana, Libya, Malawi, Mozambique, Rwanda, Zambia, Zimbabwe and the eastern part of the Democratic Republic of the Congo use Central African Time. Egypt uses Eastern Europe Time and Lesotho, Swaziland and South Africa uses South African Standard Time. Nevertheless, it is all the same time zone! Therefore, if you use local time, SAST, CAT or EET, you are correct!



HF Happenings

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter